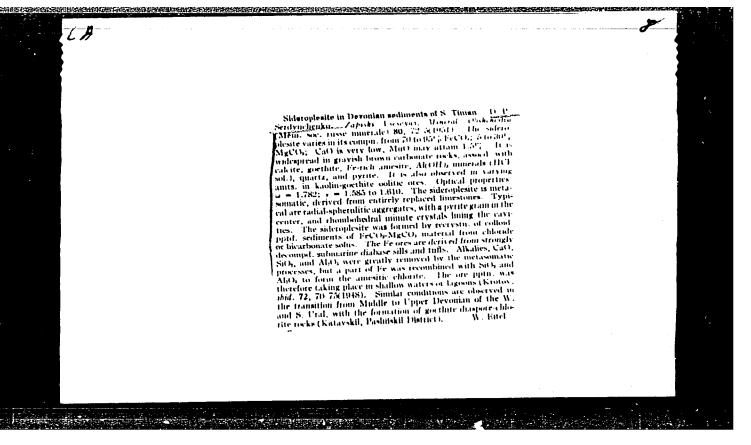


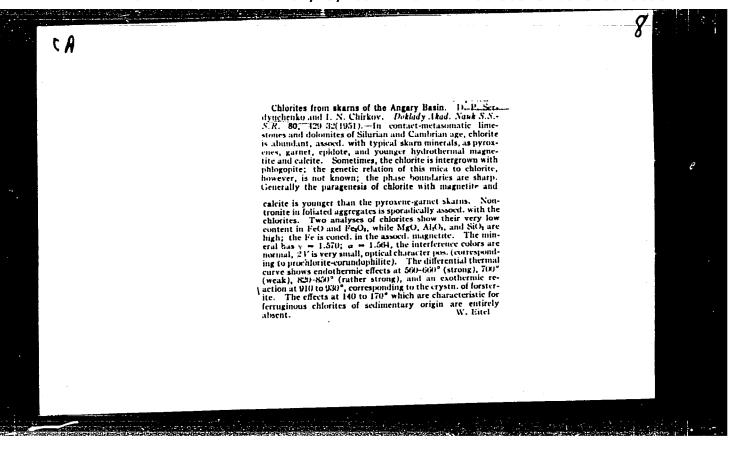
		184195	
ERDYUCHENKO, D.	P.		
	USSR/Minerals - Refractory 21 Jun 51		
	"Chrome-Spinelides From the Malka-River Ultrabasic Massif," D. P. Serdyuchenko, V. A. Moleva		
	"Dok Ak Nauk SSSR" Vol LXXVIII, No 6, pp 1203-1206		
	Describes 3 types of chromites occurring among serpentines of area near the Malka River and gives their chemical composition. Submitted by Acad D. S. Belyankin 16 Apr 51.	-	
	18 ⁴ T95		



C.A.

Magnesium iron micas. D. P. Serdyuchenko. Zapiski Vicsoyns. Mineral. Obskekestra (Méni. soc. russe mineral.) 80, 175-81(1951); cf. Serdyuchenko. C.A. 44, 491i.—(1) Phlogopite from a skarn on the immediate contact of serpentinite with a younger granite, in the valley of the river

(Al₂ mTi₂ pr₁ pr₂ cr₃ Cr₃ cr₄ cr



SERDYUCHENKO, D P

SERDYUCHENKO, D P

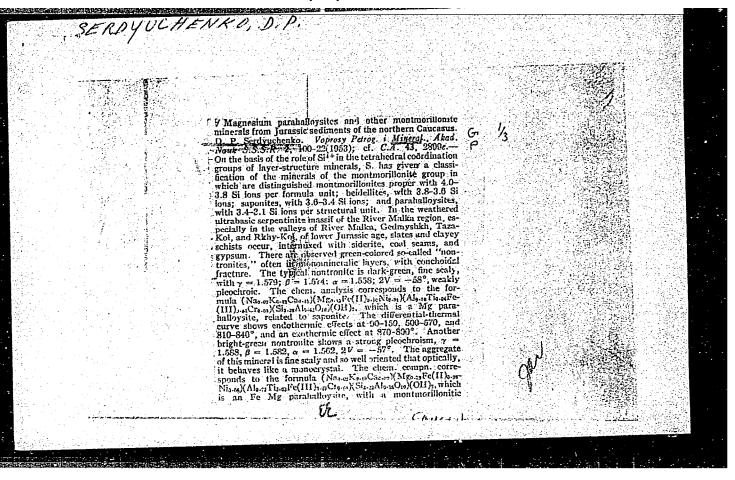
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KHLORITY, IKH KHIMICHESKAYA KONSTITUTSIYA I KLASSIFIKATSIYA (CHLORITES, THEIR
CHEMICAL STRUCTURE AND CLASSIFICATION) MOSKVA, IZD-VO AKADEMII NAUK SSSR, 1953.

CHEMICAL STRUCTURE AND CLASSIFICATION) MOSKVA, IZD-VO AKADEMII NAUK MINERALNOGO337 P. ILLUS., DIAGRS., TABLES. (THUDY INSTITUTA GEOLOGICHESKIKH NAUK. MINERALNOGOGEOKHEMICHESKAYA SERIYA, VYP. 140 (NO. 14)) "LITERATURA": P. 331-(338)

N/5

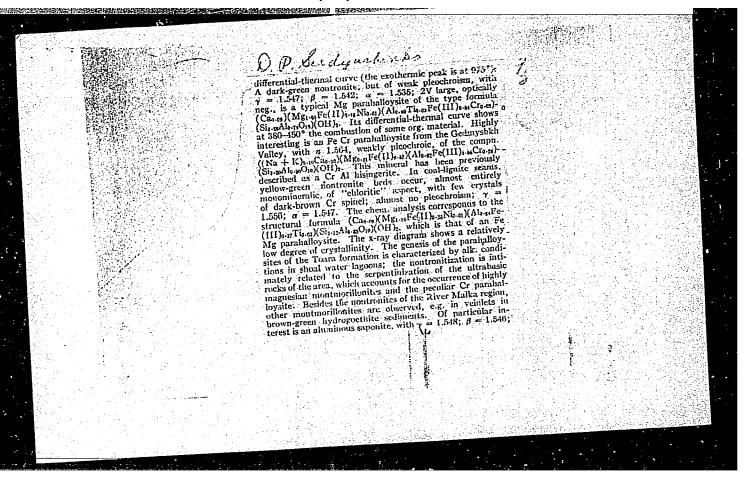
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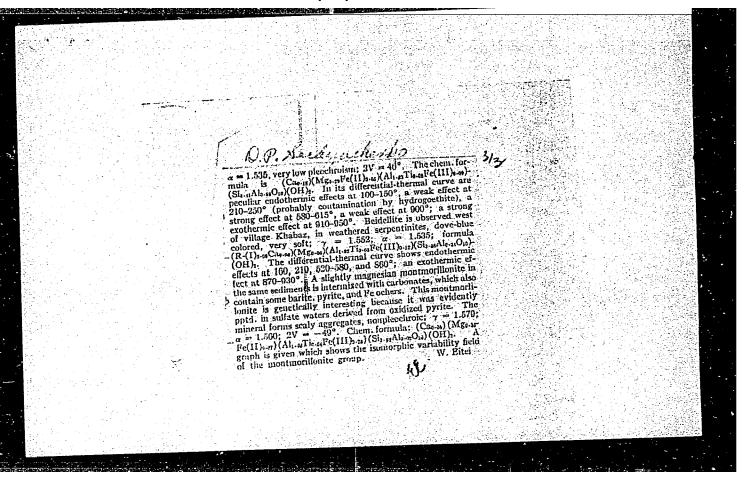
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"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001548010008-4





SERDYUCHENKO, D. P.

Some problems of the mineralogy of silicates. Izv. AN SSSR. Ser. geol. no.
(MLRA 6:6)
3:135-146 My-Je '53.
(CA 47 no.22:12140'53)

Hore news concerning D.P. Serdunchenko's formula of chlorites.

Izv.AN SSSR, Ser.geol. no.6:130 N-D'53. (MLRA 7:1)

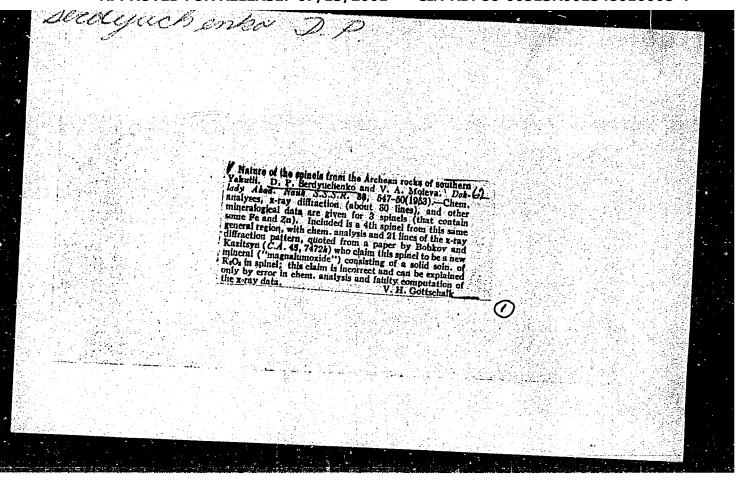
(Chlorites) (Serdunchenko, D.P.)

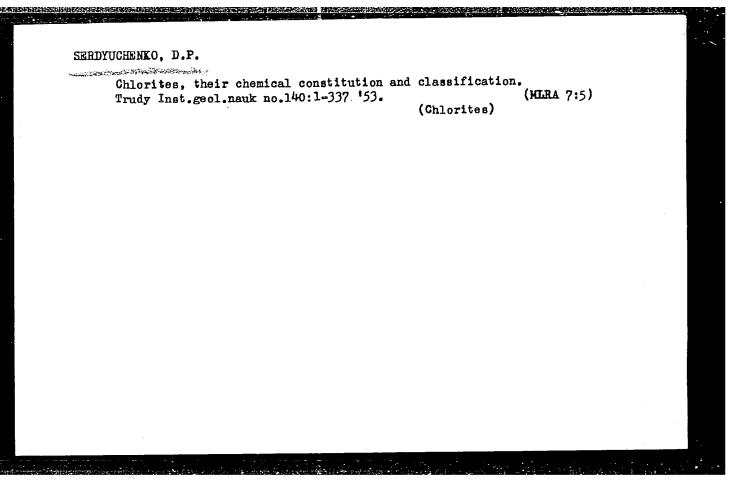
SERDYUCHERKO, D. T., and HERKHIN, S. I.

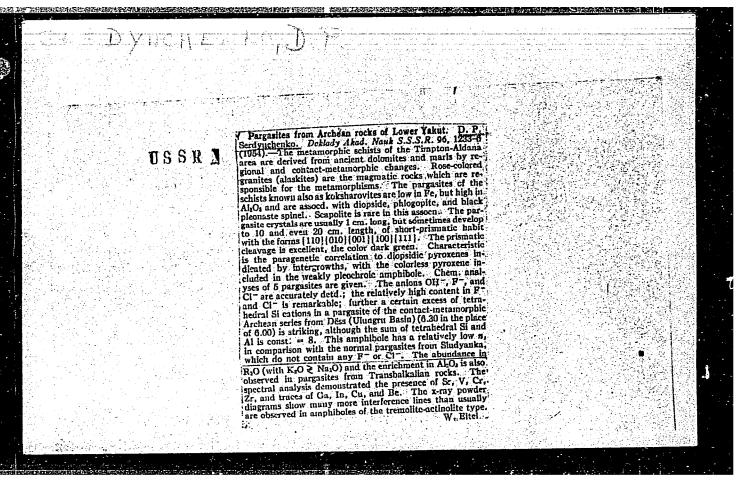
"Dependence of Roentgenograms of Chlorites Upon Their Chemical Composition, Origin, and Degree of Decrystallization," Mineralog. sb. L'vovsk. geol. o-va, No 7, pp 213-222, 1953

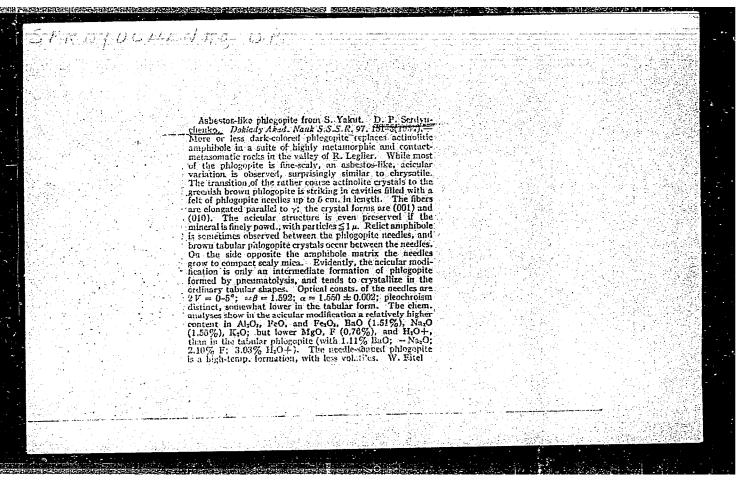
The authors investigated 16 specimens of chlorites from sites in the North Caucasus, among which three were of hydrothermal origin and 13 of sedimentary origin. They establish that the character of the Debyegram of chlorite depends upon the genesis of the mineral and upon its decrystal ization. Hydrothermal chlorites give a more perfect Debygram (fine lines of interference, absence of background than chlorites of sedimentary origin. Debygrams of chlorites of sedimentary origin permit one to judge the degrees of dispersion and decrystallization of the specimen. In comparing values of d of all samples, one observes regular decrease of distance among planes d001, d002, d004, with indrease in quantity of AI in tetrajedric positions. (RZhGeol, No 4, 1955)

Sum. No. 681, 7 Oct 55









USSR Minerals - Mineralogy
Card : 1/1
Authors : Serdyuchenko, D. P.

Title : Crystallochemical role of sodium in magnesia-micaceous iron ore

Periodical : Dokl. AN SSSR, 97, Ed. 2, 315 - 318, July 1954

Abstract : The crystallochemical role of sodium in magnesia-micaceous iron ore is discussed. The crystallochemical formula of these ores is K(OH)₂ - (Mg, Fe^{**}) (AlSi₃O₁O). Twelve references. Table.

Institution : ...

Presented by : Academician D. I. Shcherbakov, April 17, 1954

SERVYUCHINKO, U.Y.

KOSSOVSKAYA, A.G.; HELYANKIN, D.S., akademik [deceased], glavnyy redaktor; SKRDYUCHENKO, D.P., otvetstvennyy redaktor; LADYCHUK, L.P., redaktor; GRAKOVA, Ye.D., tekhnicheskiy redaktor.

Lithological and mineralogical characteristics and conditions of clay formations of the producing series of Azerbaijan. Trudy Inst. geol.nauk no.153:3-107 '54. (MLRA 8:3) (Azerbaijan—Clay)

SERDYUCHENKG, D. F.

Category: USSR

P

Abs Jour: RZh--Kh, No 3, 1957, 7833

Author : Serdyuchenko, D. P.

Inst

: Geologic Society of Lvov University

Title

: Sepiolites, Mountain Cork, and "Attapulgites"

Orig Pub: Mineralog. sb. L'vovsk., Geol. O-vo Pri Un-ta, 1955, No 9, 156-171

Abstract: A survey. Included are 28 chemical analyses, Debye crystallograms, and thermograms on sepiolites and mountain cork specimens. The term "attapulgite" must definitely be abandoned. The bibliography lists

35 items.

: 1/1 Card

-17-

SERDYUCHENKO, D.P.

USSR/Cosmochemistry - Geochemistry. Hydrochemistry, D

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61326

Author: Serdyuchenko, D. P.

Institution: None

Title: On Some Sedimentary-Metamorphic Facies Rich in Boron

Original

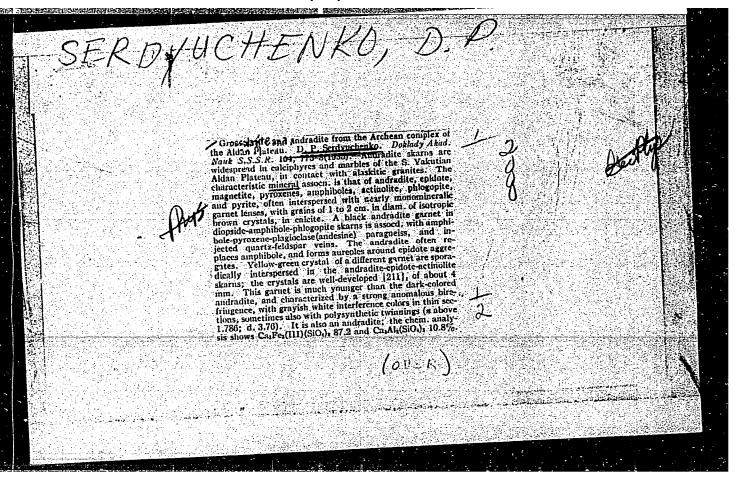
Periodical: Dokl. AN SSSR, 1955, 102, No 4, 823-826

Abstract: From personal observations and literature data the author has as-

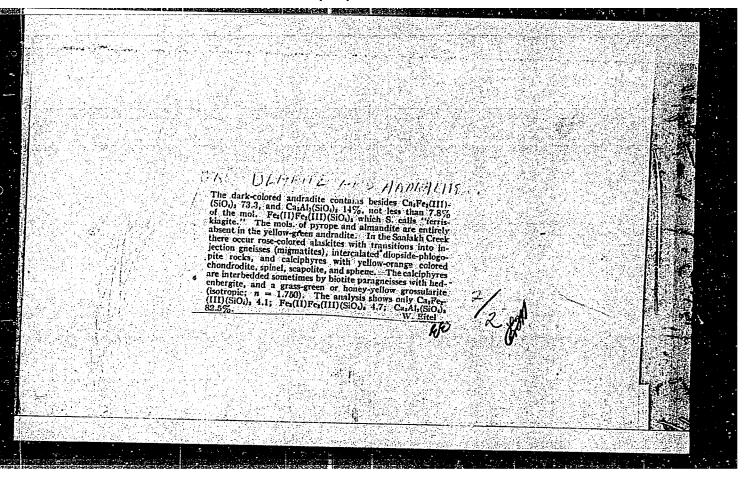
certained a widespread development in archean and proterozoic beds of rocks rich in boron-formed from marine boron-bearing sediments. During metamorphism of these rocks the borates either underwent recrystallization or were partially or completely decomposed with separation of dispersed magnetite and magnesium hydrocarbonates. These secondary conversions of boron were promoted by its in-

creased reactivity and chemical mobility.

Card 1/1



"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001548010008-4



15-57-1-396

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 1,

pp 63-64 (USSR)

AUTHOR:

Serdyuchenko, D. P.

TITLE:

Some Types of Metasedimentary Mineral Formations (O nekotorykh tipakh osadochno-metamorficheskogo

mineraloobrazovaniya)

PERIODICAL:

Vopr. mineralogii osadoch. obrazovaniy. Books 3-4,

L'vov, L'vovsk, un-t, 1956, pp 486-515.

ABSTRACT:

The author considers the formation of scapolite and apatite rocks. Scapolite and scapolite rocks of three genetic types occur in Archean crystalline schists of southern Yakutia. 1) Scapolite schists of metasedimentary origin mostly form tabular nests, flattened lenticular layers, and beds. Scapolite forms thin layers and small nests, and also occurs in diopsidescapolite, hornblende-scapolite, tourmaline-scapolite, and other rocks. In monomineralic or almost mono-

Card 1/5

mineralic tabular bodies of scapolite, the scapolite

15-57-1-396

Some Types of Metasedimentary Mineral Formations (Cont.)

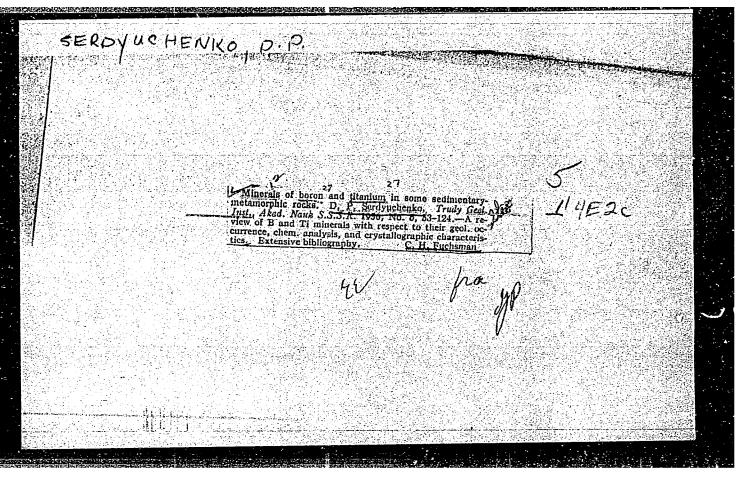
mica-like grains of scapolite replace feldspar along the cleavage faces (010) and (001) and along composition planes. 3) Long, large acicular crystals and intergrowths of scapolite have developed locally in the Khatyma basin in the metasomatic contact zone between alaskitic granites and pegmatites on the one hand and marbles and lime silicates on the other. The scapolite is probably partly recrystallized, developing large individuals reaching 6 cm to 8 cm in length. It commonly forms intergrowths with coarsely crystalline grains of diopside, and also with dark green hornblende. About six percent K20 and more than three percent MgO has been discovered in milk-white scapolite. Coarsely crystalline scapolite was formed in the immediate contact zone between rose-colored pegmatite granites and marmarized magnesian Archean limestones. The tabular occurrence of scapolite schists, the alternation of almost monomineralic scapolite bodies with scapolite-pyroxenehornblende and pyroxene-garnet schists and with marbles and lime silicates, and the presence of scapolite in these last rocks -- all these indicate a metasedimentary origin, not only of the host rocks, but of the scapolite rocks themselves. Small accumulations of Card 3/5

15-57-1-396

Some Types of Metasedimentary Mineral Formations (Cont.)

apatite have been found in Archean crystalline schists in Aldan. The rocks containing the apatite are pyroxene, diopside-hornblende, amphibole, and tourmaline-diopside-andesine paraschists. The apatite, included in profoundly metamorphosed ancient sedimentary rocks, was formed by metamorphism of sedimentary phosphatic accumulations. Wax-red or brownish-red crystals of apatite are found in the basin of the Legliyer River along metasedimentary pyroxene-amphibole and pyroxene-scapolite rocks. They contain very small reddish inclusions, in places distributed uniformly, in places disseminated spottily, in places occurring in almost parallel or obliquely inclined zones of irregular width. This apatite is distinguished from the apatite occurring in the leucocratic granites by its microscopic features and the turbidity due to its dot-like inclusions. The apatite of Aldan is fluorapatite. Cl is absent in the mineral. A considerable quantity of Fe203 is present, but Fe0 is also absent. Organic substance is another impurity of the apatite. It is burned off on heating, and in the process the apatite is bleached. The presence of ferruginous and organic Card 4/5

Some Types of Metasedimentary Mineral Formations (Cont.) admixtures in the apatite points to a metasedimentary origin for the mineral. Card 5/5



SERBUGEHER RO, D.P

USSR/Cosmochemistry. Geochemistry. Hydrochemistry. D

Ref Zhur - Khimiya, No. 8, 1957, 26543. Abs Jour

Serdyuchenko, D.P. Author

Geological Society at Lvov University. Inst : Classification of Montmorillonite Minerals.

Title

Mineralog. sb. L'vovsk. geol. o-vo pri un-te, Orig Pub

1956, No. 10, 132 - 134.

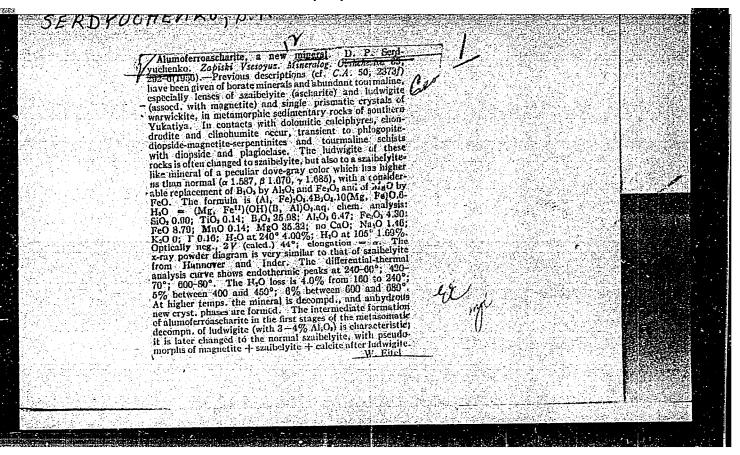
: All the minerals close to montmorillonite Abstract

are divided into 4 groups according to crystallochemical characteristics: 1/ mont-

morillonites in the narrow meaning of the term (SiIV = 4.0 to 3.8), 2/ beidellites (SiIV = 3.79 to 3.60), saponites (SiIV = 3.59 to 3.40), and 4/ paragalloisites - montmorillonites with little silicium content (SiIV =

3.39 to 3.14, or even to 3.00). Depending

Card 1/3



SERDYUCHENKO, DP

3(8)

PHASE I BOOK EXPLOITATION

SOV/1575

Akademiya nauk SSSR. Sovet po izucheniyu proizvoditel'nykh sil

Ocherki osadochnykh mestorozhdeniy poleznykh iskopayemykh (Description of Sedimentary Mineral Deposits) Moscow, Izd-vo AN SSSR, 1958. 84 p. 5,000 copies printed.

Resp. Ed.: L.V. Pustovalov, Corresponding Member, USSR Academy of Sciences; Ed. of Publishing House: G. I. Nosov; Tech. Ed.: S. G. Markovich

PURPOSE: This publication is intended for mining geologists, stratigraphers, petrographers, and mineralogists.

COVERAGE: This collection of articles is devoted to a description of several minerals found in Eastern Siberia, and a discussion of the conditions of their deposition by regions. Individual articles report on the Berezovskoye iron ore deposits, the articles minerals of the Bakal'skoe deposit, the iron ore deposits of the Angaro-Pitskiy basin and the Khoperskiy region. The articles are accompanied by diagrams, tables, and bibliographic references.

Card 1/3

Description of Sedimentary Mineral Deposits (Cont.) SOV/15	7 5
TABLE OF CONTENTS:	
Serdyuchenko, D.P. Devonion Iron-bauxite Oolitic Formation	3
Yeroshchev-Shak, V.A., and N.Kh. Platonov. Native Iron From Devonian Iron Ores of the Khoperskiy Region	25
Glebov, A.V. Tourmaline and Magnetite Quartzites of the Amedichi River in Southern Yakutiya	28
Pavlov, V.A. Polimineral Pseudomorphs After Ludwigite	43
Yudin, N.I. Iron Ores of the Angaro-Pitskiy Basin	47
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SERDYUCHENKO, DP.

AUTHOR:

Shabynin, L.I.

11-1-4/29

TITLE:

The Genesis of South Yakutsk Iron Ore Deposits (O genezise

yuzhno-yakutskikh zhelezorudnykh mestorozhdeniy)

PERIODICAL:

Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya, 1958,

1, pp 43-61 (USSR)

ABSTRACT:

The article deals with the principal characteristics of geological structures and the composition of rocks and ore deposits of the South Yakutsk iron ore deposits, inclusive the complex boron-iron ores. The author reviews the various conceptions of the formation of these deposits, whereby the sedimentary-metamorphic genesis is being refuted, and the skarn character proven. There are no analogies in the USSR to the Pre-Cambrian South Yakutsk crystalline complex iron deposits of the Aldan shield. The questions of genesis of these deposits have been examined lately by several geologists, whereby the following 3 viewpoints were expressed: 1. The deposits are of the contact-metasomatic type (D.S. Korzhinskiy, L.I. Shabynin). 2. Mineral deposits are formed as a result of regional metamorphism of sediments with high iron and boron concentrations; only in some locations occurred a shifting of iron and boron (D.P. Serdyuchenko). 3. Iron

Card 1/3

CIA-RDP86-00513R001548010008-4" APPROVED FOR RELEASE: 07/13/2001

The Genesis of South Yakutsk Iron Ore Deposits

11-1-4/29

ores and the surrounding calcareous-magnesium and magnesium rocks are formed as a result of regional metasomatic replacement of Pre-Cambrian rocks in connection with the erosion of potassium, magnesium and iron from the place of granitization and transfer into higher structural strata (N.G. Sudovikov, M.D. Krylova). The iron ore deposits of South Yakutsk can be subdivided into the following four territorial groups: 1. South-west - Nirichevskoye, Levo and Pravo Desovskoye deposits. 2. South - Sivaglinskoye, Pionerskoye and Komsomol'skoye deposits. 3. North and north-west - Yemel'dzhanskoye and Tsentral'no-Aldanskoye deposits. 4. South-east -Tayezhnoye, Magnetitovoye, Legliyerskoye and Tinskoye deposits. The majority of these deposits are found in crystalline layers of the Fedorov formation. With regard to their genetic formation, mineral composition and skarns, all of these iron ore deposits are of the same type. A very characteristic property of the structure is the clearly discernable metasomatic zoning of the examined deposits. Mineral paragenesis of magnetic ores of the main phase (high temperatures) at South Yakutsk is uniform. With regard to ores, the author distinguishes between 2 types of paragenesis: 1. magnesium skarns formed in dolomites. 2. paragenesis occurring

Card 2/3

The Genesis of South Yakutsk Iron Ore Deposits

11-1-4/29

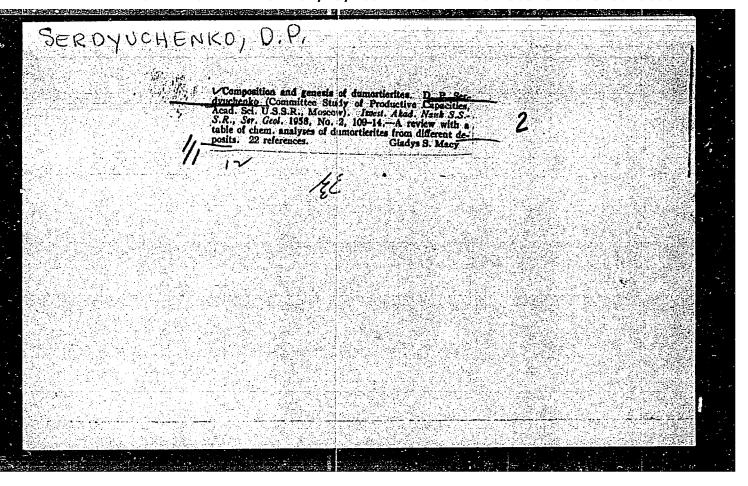
at the replacement of ores by rocks located close to skarns and skarned granites, magmatic crystalline formations and gneiss rocks. The author gives a detailed description of the chemical composition and the geological structure of rocks of these two groups. All geologists who have studied the Aldan shield agree that the most outstanding characteristic of rocks of this complex is the absence of changes of mineral composition caused by middle and low temperatures. In places, where such changes were found to have occurred, they were always the result of recent magmatism or processes of ore forming. The author disagrees with the conceptions of D.P. Serdyuchenko, who believes the Aldan deposits to be of sedimentary-metamorphic origin. There are 1 figure, 6 photographs, 25 Russian, 1 Swedish,

2 Japanese, 1 German and 3 British references.

ASSOCIATION: Geologic Institute of Mineral Deposits, Petrography, Mineralogy and Geochemistry of the USSR Academy of Sciences, Moskva (Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR, Moskva)

AVAILABLE: Card 3/3

Library of Congress



SERDYUCHENKO, D.P.

Magnesioferrites and titanspinels from the Cambrian in the Aldan. Min.sbor. no.12:233-245 '58. (MIRA 13:2)

 Sovet po izucheniyu proizvoditel'nykh sil AN SSSR, Moskva. (Aldan Plateau-Spinel group)

SERDYUCHENKO, D.P.; KADENSKIY, A.A.

Zenolites and pectolites in Caucasian and other deposits. Zap.

Vees. min. ob-va 87 no.1:31-47 158. (MIRA 11:6)

(Caucasus-Wollastonite)

SERDYUCHENKO, D.P.; MOLEVA, V.A.

Titinospinels from dedolomitized Cambrian rocks in southern Yakutia.

Zap. Vses. min. ob-va 87 no.6:691-695 '58. (MIRA 12:3)

(Yakutia--Spinel group)

SERDYUCHENKO, Dmitriy Petrovich; LEVCHENKO, S.V., kand.geol.-min.nauk, otv.red.; SLUTSKER, A.S., red.izd-va; MAKUHI, Ye.V., tekhn.red.

[Granites of the southern Timan and their accessory minerals]
Granity IUzhnogo Timana i ikh aktsessornye mineraly. Moskva, Izd-vo Akad.nauk SSSR, 1959. 102 p. (MIRA 12:6)

(Timan Ridge--Granite)

3(5)

SOV/11-59-8-4/17

AUTHOR:

Serdyuchenko, D.F.

TITLE:

The Origin of the Archeian Iron Ores of Southern

Yakutiya

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geologicheskaya,

1959, Nr 8, pp 34 - 49 (USSR)

ABSTRACT:

The author gives a detailed description of the magnetite ore deposits enclosed in the Archeian metamorphic strata of Southern Yakutiya. The sedimentary origin of these iron ore deposits is affirmed by the author and he disagrees with the opinion of L.S. Shalynin that these deposits are of contact-metasomatic origin, as expressed in latter's article entitled "On the Genesis of South Yakutiya Iron Ore Deposits", published in Nr 1, 1958, of this periodical. According to the author, some of the main features of these deposits are: the appurtenance of the magnetite deposits to a metamorphic sedimentary complex of rocks composed of different transformed gneisses, dolomites,

Card 1/4

SOV/11-59-8-4/17

The Origin of the Archeian Iron Ores of Southern Yakutiya

schists, gneisso-quartzites and quartzites; a strict association of these deposits with a determined stratigraphic horizon - the Fedorovskaya suite of the Iengra deries (Archeian era), tens of km long and more than 1 km thick; the faulting of the ore-bearing and other covering suites by granite intrusions, which occurred after the formation of the ore-bearing beds. The study of core samples taken from rocks of the lengra series showed that there are 3 ore-bearing horizons, the upper - a hematite- quartzite horizon, the middle magnetite - silicate horizon and the lower magnetite and hematitequartzite horizon. The opinion of all geologists is that magnetite-quartzites and hematite-quartzites of Pre-Cambrian formations all over the world are of sedimentary-metamorphic origin. The inference is that during the formation of ancient sediments of the Iengra series on the Aldan Shield, the accumulation of iron occurred under changeable facial conditions. After the metamorphic period and after the granite intrusion these accumulations acquired the presently observed

Card 2/4

SOV/11-59-8-4/17

The Origin of the Archeian Iron Ores of Southern Yakutiya

The author describes in detail all main composition. commercial deposits of the lengra series: Nerichi and Dess, Sivagli, Pionerskoye and Komsomol'skoye, Tayezhnoye, Magnetitovoye, Legliyer, Tin, the El'medzhak group of magnetite and phlogopite deposits and the Central-Aldan deposits, the last ones associated with contacts of Mesozoic syenite porphyres with the Cambrian dolomites. In each separate case he refutes the findings of L.S. Shalynin concerning the contact-metasomatic origin of these deposits. Actually, the author admits that small magnetite ore-bodies, located in zones of contact between Cambrian dolomites, laccolite and dyke-like bodies of Upper-Jurassic graniteporphyres and syenite-porphyres of the Central Aldan region of Southern Yakutiya, are of contact-metasomatic origin. They form a narrow belt along the line of contact of volcanic carbonaceous rocks. The following geologists are mentioned by the author: D.S. Kor-zhinskiy, M.A. Litsarev, V.A. Pavlov, V.A. Pervago, L.M. Minkin, V.F. Kozlov, V.K. Kotul'skiy, N.G.

Card 3/4

SOV/11-59-8-4/17

The Origin of the Archeian Iron Ores of Southern Yakutiya

Sudovikov, N.A. Yeliseyev, V.S. Sobolev, G.D. Afanas'-yev, A.P. Lebedev, P.N. Chirvinskiy and A.Ye. Tornebom. There are 8 photographs, 1 set of diagrams and 36 references, 31 of which are Soviet, 2 English, 2 Swedish and 1 German.

ASSOCIATION: Sovet po izucheniyu proizvoditel'nykh sil AN SSSR, Moskva (Council for the Study of Productive Forces of the AS USSR, Moscow)

SUBMITTED: June 9, 1958

Card 4/4

SERDYUCHENKO, D.P.

Galciotalc, the new mineral. Zap. Vees. min. ob-va 88 no. 3:298-304 '59.

(MIRA 12:11)

1. Deystvitel 'nyy chlen Vsesoyuznogo mineralogicheskogo obshchestva.

(Legleger Valley--Talc)

PUSTOVALOV, L.V., otv.red.; GIMMEL FARB, B.M., red.; KRASHENINNIKOV, G.F., red.; SARKISYAN, S.G., red.; SERDYUCHENKO, D.P., red.; TEODOROVICH, G.I., red.; SHVETSOV, M.S., red.; SMIRHOVA, Z.A., red.; zd-va; IVANOVA, A.G., tekhn.red.

[Problems of sedimentology; reports of Soviet geologists for the Sixth International Congress of Sedimentology] Voprosy sedimentologii; doklady sovetskikh geologov k VI Mezhdunerodnomu kongressu po sedimentologii. Moskve, Gos.nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr, 1960. 215 p.

(MIRA 14:3)

1. International Congress of Sedimentology. 6th, Copenhagen, 1960.

(Rocks, Sedimentary)

SERDYUCHENKO, D.P.; GLEBOV, A.V.; KADENSKAYA, M.I.; LEONOVA, Ye.P.; KADENSKIY, A.A.; PAVLOV, V.A.; PUSTOVALOV, L.V., otv.red.; KOTLYAREVSKAYA, P.S., red.izd-va; GUS'KOVA, O.M., tekhn.red.

[Iron ores of southern Yakutia; geology, mineralogy, genesis and industrial importance] Zheleznye rudy IUzhnoi IAkutii; geologiia, mineralogiia, genezis i promyshlennoe znachenie. Moskva, Izd-vo Akad.nauk SSSR, 1960. 519 p. (MIRA 13:6)

1. Chlen-korrespondent AN SSSR (for Pustovalov).
(Yakutia--Iron ores)

SERDYUCHENKO, D.P.

Chlorites in sedimentary rocks. Biul.MOIP.Otd.geol. 35 no.1:122-123 Ja-F '60. (MIRA 13:7) (Chlorites) (Rocks, Sedimentary)

S/081/61/000/017/024/166 B102/B138

AUTHOR:

Serdyuchenko, D. P.

TITLE:

Boric sedimentary-metamorphic formations

PERIODICAL:

Referativnyy zhurnal Khimiya, no. 17, 1961, 101, abstract 17762 (Sb. "Vopr. sedimentologii", M.

Gosgeoltekhizdat, 1960, 132 - 140)

TEXT: The biggest segregations of borate ores are usually confined to early metamorphized strata in which magmatic rock is often intruded, which is, according to many researchers, the main source of B in other useful components. Published data show, however, that the B content in sedimentary rocks (especially in halogenous, clayey, magnesia-calcium and ferrous rocks) is many times higher than in eruptive ones. The main signs of the sedimentary origin of early boron-containing rocks are: their restriction to certain stratigraphic horizons consisting of undeniably sedimentogenic layers and bands; a considerable persistence along the strike and the dip of individual B-bearing facies and complexes, etc. In these early and relatively young stratified sedimentary strata,

Card 1/2

Boric sedimentary-metamorphic...

S/081/61/000/017/024/166 B102/B138

the formation of various boron-rich, sedimentary-metamorphic facies occurs in dependence on the geochemical and thermodynamic conditions of metamorphization. Examples of the conditions of formation of these phases are given. [Abstracter's note: Complete translation.]

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Card 2/2

SERDYUCHENKO, D.P.; BELOV, N.V.

Concerning the so-called "sulunite." Zap. Vses. min. ob-va 89 no.3:
367-368 160. (Chlorites)

SERDYUCHENKO, D.P.

More on the green mica from the Pre-Cambrian thick series of the Kursk Magnetic Anomaly. Zap. Vses. min. ob-va 89 no.4:486-490 '60. (MIRA 13:11)

(Kursk Magnetic Anomaly--Mico)

SERDYUCHENKO, D. P., Institute of Geology and Mineral Deposits, Petrography, Mineralogy, and Geochemistry, Academy of Sciences USSR

"Complex research in clay minerals" (Section V) (Also Co-Chairman, Section IV)

report to be submitted for the Second Conference on Clay Mineralogy and Petrography, Prague, Czech., 10-17 May 1961.

LISTOVA, Lidiya Pavlovna; SERDYUCHENKO, D.P., doktor geol.-mineral.nauk, otv.red.; VLASOV, L.G., red.izd-va; LEBEDEVA, L., tekhn.red.

> [Physicochemical investigations of oxide and carbonate manganese ore formation conditions] Fiziko-khimicheskie issledovaniia uslovii obrazovaniia okisnykh i karbonatnykh rud margantsa. Moskva, Izd-vo Akad.nauk SSSR, 1961. 118 p.

(MIRA 14:3)

(Manganese ores)

(Geochemistry)

CIA-RDP86-00513R001548010008-4" APPROVED FOR RELEASE: 07/13/2001

SERDYUCHENKO, D.P., prof., doktor geol.-mineral.nauk, otv.red.; SHKYNMAN, V.S., red.izd-va; MAKUNI, Ye.V., tekhm.red.

[Studies on the metallogeny of sedimentary rocks] Ocherki po metallogenii osadochnykh porod. Moskva, 1961. 371 p. (MIRA 14:6)

1. Akademiya nauk SSSR. Laboratoriya osadochnykh poleznykh iskopayemykh. 2. Rukovoditel' sektora mineral'no-syr'yevykh resursov Soveta po izucheniyu proizvoditel'nykh sil AN SSSR (for Serdyuchenko).

(Rocks, Sedimentary) (Ore deposits)

CIA-RDP86-00513R001548010008-4 "APPROVED FOR RELEASE: 07/13/2001

5/081/62/000/004/017/087 B149/B101

113

AUTHOR:

Serdyuchenko, D. P.

TITLE:

Rare-earth mineralization in sedimentary metamorphic rocks

Referativnyy zhurnal. Khimiya, no. 4, 1962, 119, abstract

PERIODICAL:

4G57 (Sb. "Ocherki po metallogenii osadochn. porod", M.,

AN SSSR, 1961, 14 - 48)

TEXT: Orthite, sphene and monazite are widely distributed in the sedimentary-metamorphic rocks of Southern Yakutia. The results of chemical and X-ray studies of these minerals are given. Descriptions are provided of the environmental situations in which the TR compounds are found in ancient metamorphic sediments of other countries according to published informations. Much larger separations of these minerals can be observed in ancient rocks of migmatization zones of biotites and other paragneisses with small-grained syngenetic orthite and sphene. Similar cumulative recrystallization of minerals takes place under processes of skarnation, phlogopite-formation, a and the action of K-enriched postmagmatic solutions. This demonstrates that pre-cambrian sedimentary-metamorphic rock masses contain considerable Card 1/2

Rare-earth mineralization ...

S/081/62/000/004/017/087 B149/B101

concentrations of TR bound with Fe ores and accompanying carbon-bituminous, clayey-quartz and calcareous-magnesium carbonate rocks. The initial accumulation of TR occurred in ancient shallow-littoral sea areas and lagoon-like basins, as a result of joint sedimentation with Fe; it occurred also due to sorptive processes in ferrous, clayish and carbon-bituminous colleidal formations, and was accompanied by relative concentrations of P, F, and CO₂ (in specific facial conditions). Under dynamometamorphic influences and intrusion of igneous masses all these rocks and ores were subjected to a plutonic metamorphosis, migmatization and skarnation. The

subjected to a plutonic metamorphosis, migmatization and skarnation. The erupted rocks have partly assimilated from the adjoining depositions Fe and TR compounds and caused their local metasomatic shifts. [Abstracter's note: Complete translation.]

Card 2/2

GO.

S/081/62/000/001/013/067 B156/B101

AUTHOR:

Serdyuchenko, D. P., Glebov, A. V.

TITLE:

Accessory boric minerals in precambrian Aldan

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 1, 1962, 124, abstract

1058 (Sb. "Ocherki po metallogenii osadochn. porod". M.,

AN SUSR, 1961, 49-71)

TEXT: The results are given of a mineralogical study of the parageneses of various borate minerals: dumortierite, datolite, serendibite, axinite, syngalite, warwickite, kotoit" and fluoborite; these have been found in precambrian metamorphized deposits in the Alden. The optical and radiographic properties of each mineral, and the chemical composition of serendibite (5 specimens) are described. Hypotheses are stated, on the basis of details given by other research workers, regarding the conditions under which these minerals are formed. [Abstracter's note: Complete translation.

Card 1/1

BEUS, A.A., doktor geol.-miner. nauk; SEVEROV, E.A.; SITNIN, A.A.;

SUBBOTIN, K.D.; SERDYUCHENKO, D.P., doktor geol.-miner. nauk,
otv. red.; GRISHINA, T.B., red.izd-va; POLYAKOVA, T.V., tekhn.
red.

[Albitized and greisenized granites (apogamites)]Al'bitizirovannye i greizenizirovannye granity (apogranity). Moskva, Izdvo Akad. nauk SSSR, 1962. 195 p.

[Alboratoriya geokhimii metasomaticheskikh protsessov, svyazannykh s granitoidami Instituta mineralogii, geokhimii i kristallokhimii redkikh elementov (for Beus, Severov, Sitnin,
Subbotin).

(Granite) (Trace elements)

SERDYUCHENKO, D.P.; PAVLOV, V.A.

Composition and classification of axinites. Zap. Vses. min. ob-va
(MIRA 15:3)
91 no.1:81-84 '62.

(Axinite)

POTEMKIN, K.V.; SPITSYN, A.N.; VLASOV, K.A., glav. red.; SERDYUCHENKO, D.P., doktor geol.-miner. nauk, otv. red.; RADZINSKAYA, M.V., red.izd-va; YEPIFANOVA, L.V., tekhn. red.

[Rare elements in the placer deposits of foreign countries]
Redkie elementy v rossypiakh zarubezhnykh stran. Moskve,
Izd-vo Akad. nauk SSSR, 1963. 99 p. (MIRA 16:4)

1. Chlen-korrespondent Akademii nauk SSSR (for Vlasov). (Metals, Rare and minor) (Placer deposits)

BURKOV, Vladimir Viktorovich; PODPORINA, Yevgeniya Kuz minichna; SERDYUCHENKO, D.P., doktor geol.-mineral.nauk, otv.red.; VIASOV, K.A., glavnyy red.; GRISHINA, T.B., red.izd-va; GUS KOVA, O.M., tekhn.red.

[Strontium; mineralogy, geochemistry, and main types of deposita]
Strontsii; mineralogiia, geokhimiia i glavnye tipy mestorozhdenii.
Moskva, Izd-vo Akad. nauk SSSR, 1962. 178 p. (Akademiia nauk
SSSR. Institut mineralogii, geokhimii i kristallokhimii redkikh
elementov. Trudy, no.12). (MIRA 16:2)

1. Chlen-korrespondent AN SSSR (for Vlasov). (Strontium)

SERDYUCHENKO, D.P.

Formation and disintegration of orthite in metamorphic rocks. Trudy IMGRE no.17:3-14 63. (MIRA 16:11)

SERDIUCEENSO, D.P.

Vivianita and pyrita in the Upper Devonian shells of the southern Timan Range. Trudy Geol. muz. 4N SSSR no.14:39-43 (MTRA 17:11)

43 '63.

SEEDWICHEMEO, D.F.

Discussion on "ferriphlogopite" from Japan. Zap. Veve. min.
ot-va 92 no.6:748-750 '63.

(MIRA 18:3)

VLASOV, K.A., glav. red.; SERDYUCHENKO, D.P., doktor geol.-min. nau, red.; YES'KOVA, Ye.M., kand. geol.-miner. nauk, red.; EORODIN, L.S., kand. geol.-miner. nauk, red.

[Geochemistry, mineralogy, and genetic types of rare element deposits] Geokhimiia, mineralogiia i geneticheskie tipy mestorozhdenii redkikh elementov. Moskva, Izd-vo "Nauka." Vol.1. [Geochemistry of rare elements] Geokhimiia redkikh elementov. 1964. 685 p. (MIRA 17:5)

1. Institut mineralogii, geokhimii i kristallokhimii redkikh elementov. 2. Chlen-korrespondent AN SSSR (for Vlasov).

KUZ'MENKO, M.V.; AKELIN, N.A.; SERDYUCHENKO, D.P., doktor geol.-miner. nauk, prof., otv. red.

[Genesis of subalkaline granitoids and albitites connected with them and the distribution of tantalum and niobium in them] Genezis subshchelochnykh granitoidov i sviazannykh s nimi al'bitov i zakonomernosti raspredesviazannykh s nimi al'bitov i zakonomernosti raspredelenija v nikh tantala i niobija. Moskva, Najka, 1965. 119 p. (MIRA 18:6)

PUSTOVALOV, L.V., otv. red.; AL'TGAUZEN, M.N., doktor geol.min. nauk, red.; VLASC K.A., red.[deceased]; DOLGGFOLOV.
N.N., red.; IVENSEN, Yu.P., doktor geol.-min.nauk, red.;
POZHARITSKIY, K.L., doktor geol.-min. nauk, red.;
SERDYUCHENKO, D.P., doktor geol.-min. nauk, red.; KRASNOVA,
N.E., red.

[Metals in sedimentary formations; heavy nonferrous, minor and rare metals] Metally v osadochnykh tolshchakh; tiazhelye tsvetnye metally malye i redkie metally. Moskva, Nauka, 1965. 389 p. (MIRA 19:1)

1. Moscow. Laboratoriya osadochnykh poleznykh iskopayemykh.

SERDYUCHENKO, D.P.

One more on the alumoferroascharite. Zap. Vses. min. ob-va 94 no.2:

(MIRA 18:5)

247-250 165.

SERDYUCHENKO, D.P.

"Svital'skit" and its position in the range of tetrasilica micas. Zap.Vses.min.ob-va 94 no.5:566-570 '55. (MIRA 18:11)

1. Deystvitel'nyy chlen Vsesoyuznogo mineralogicheskogo obshchestva.

"APPROVED FOR RELEASE: 07/13/2001 CIA-

CIA-RDP86-00513R001548010008-4

L 18826-63 EWT(1)/FS(v)-2/BDS/ES(a)/ES(j)/ES(c)/ES(k) AMD Pb-4
ACCESSION NR: AP3001519 S/0238/63/009/003/0406/0408

AUTHOR: Serdyuchenko, I. Ya.

63

TITLE: Method of electromechanical continuous registration of blood pressure and pulse during chronic experiments

SOURCE: Fiziologichny*y zhurnal, v. 9, no. 3, 1963, 406-408

TOPIC TAGS: Blood pressure, pulse, hemodynamometry, electromagnetic recording

ABSTRACT: Review of the published literature on methods for continous recording of peripheral blood pressure of experimental animals revealed that there are no truly satisfactory methods available for the purpose. Author devised therefore a new miniaturized blood-pressure recording apparatus which can be inserted, e.g., into the external carotid artery of a cat and left there without moving regardless of changes in blood pressure. It consists essentially of a piston and cylinder encased in a glass capsule weighing 25 grams and connected to the outside only by two thin wires which register the variations in resistance caused by the changes in relative position of piston in the cylinder, induced

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L 18826-63

ACCESSION NR: AP3001519

in their turn by changes in blood pressure. These changes can then be amplified and measured with electromagnetic recording. Orig. art. has: 2 figures.

ASSOCIATION: Kafedra normal'noyi fiziologiyi Dnipropetrovs'kogo medy*chnogo insty*tutu (Chair of Normal Physiology of <u>Dnepropetrovsk Medical Institute</u>)

SUBMITTED: 00

DATE ACQ: 21Jun63

ENCL: 00

SUB CODE: AM

NO REF SOV: 006

OTHER: 000

Card 2/2

SERDYUGHENKO, 1.Ya.

Asymmetry of tonic effects of the vagus nerves on the heart. Fiziol. zhur. 50 no.12:1450-1457 D 164. (MTRA 18:9)

1. Kafedra normalinov fiziologii Gosudarstvennogo meditsinskego instituta, Dnepropetrovsk.

CGANISYAN, A.A.; IVANOVA, S.N.; SERDYUCHENKO. V.M.

New method for the implantation of electrodes into the spinal cord of cats and dogs for recording the electric activity of conducting pathways and centers in spontaneous movements. Biul. eksp. biol. 1 med. 57 no.6:106-108 Je 164.

(MIRA 18:4)

1. Institut vysshey nervnoy deyatel'nosti i neyrofiziologii (dir. - cheln-korrespondent AN SSSR prof. E.A. Asratyan) AN SSSR, Moskva.

FOMICHEVA, A., chertezhnitsa (Tula); SERDYUK, tekhnolog; KHARCHENKO, K., slesar -lekal shchik; ZUBOVA, Ye., inzh. (G.Krasnyy Luch, Luganskoy oblasti); SHPANER, B., inzh. (G. Krasnyy Luch, Luganskoy oblasti); GIDON, L., inzh. (Moskva) Avramova, L., apparatchitsa, (g. Lisichansk)

Our readers' comments on work nominated for Lenin Prizes. Sov. profsoluzy 17 no.6:31-32 Mr '61. (MIRA 14:3)

1. Tul'skiy zavod "Shtamp" (for Serdyuk). 2. Kirovskiy zavod, Leningrad (for Kharchenko).

(Lenin Prizes) (Russian literature)

PROKOPENKO, N., inzhener; SERDYUK, A., inzhener.

New method of laying rail tracks. Mast.ugl.5 no.12:6-7 D '56.
(Mine railroads)

(MIRA 10:2)

AUTHOR:

Serdyuk, A., Civil Engineer,

SOV/29-59-1-19/26

Stalin Prize Winner

TITLE:

"Pocket" Hotor Scooter ("Karmannyy" motoroller)

PERIODICAL:

Tekhnika molodezhi, 1959, Nr 1, pp 30 - 31 (USSR)

ABSTRACT:

The author of this article, Aleksandr Kalinovich Serdyuk, completed his studies in 1931 at the Mining Institute in Dnepropetrovsk and has worked for a long time in the mining industry. The motor scooter described in this article is not his only invention. At the First All-Union Competition in 1932, he was awarded a prize for his coal combine "S-5". In 1948 he obtained the Stalin Prize for his work in this

field. He made 26 different inventions.

At the beginning of this article, Engineer A. Ivanov, Deputy Chief of the Laboratory for Engines of the Moscow
Aviation Institute, writes the following: Aleksandr Kalinovich
Serdyuk, Civil Engineer and Stalin Prize Winner, has
recently designed a miniature motor scooter. The design is
quite original. The scooter was made of unexpensive sheet
metal. Nearly all parts can be punched. This permits a series
production of folding motor scooters. Besides, the components

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"Pocket" Motor Scooter

SOV/29-59-1-19/26

may be manufactured in any workshop. More difficult is the problem of tires which should be made by factories. Being imported goods they are hardly for sale either. It should be recommended to the Sovnarkhozes in Moscow, Sverdlovsk and Yaroslavl' to start producing tires for small cars and miniature motor scooters. We are confident that wide circles will be interested in this miniature motor scooter. Anyone can build such a vehicle for himself. A. Serdyuk describes this scooter: "I should like to explain why the motor scooter designed by myself is designated for fun as a "pocket motor scooter". My vehicle weighs 20 kg and attains a speed of 30 km/h. Most essential is that it can be folded up in 2-3 minutes. It can be put in an envelope or in an ordinary shopping bag, and then one may go on by tram, bus or subway. The scooter needs no garage. At home it may be hanged against the wall, or placed on the floor like a small suitcase. Its advantages can be seen on the last page of the cover sheet. This vehicle represents a miniature motorcycle with a collapsible frame. Some parts were taken from the bycicle. The major part of the amateur-made elements was manufactured of steel

Card 2/3

ACC NR. AP6036747 (A,N) SOURCE CODE: UR/0433/66/000/011/0031/0032

AUTHOR: Lenkov, L. (Tashkent); Serdyuk, A. (Tashkent); Yezerzha, A. (Tashkent)

ORG: none

TITLE: Knapsack sprayer-duster

SOURCE: Zashchita rasteniy, no. 11, 1966, 31-32

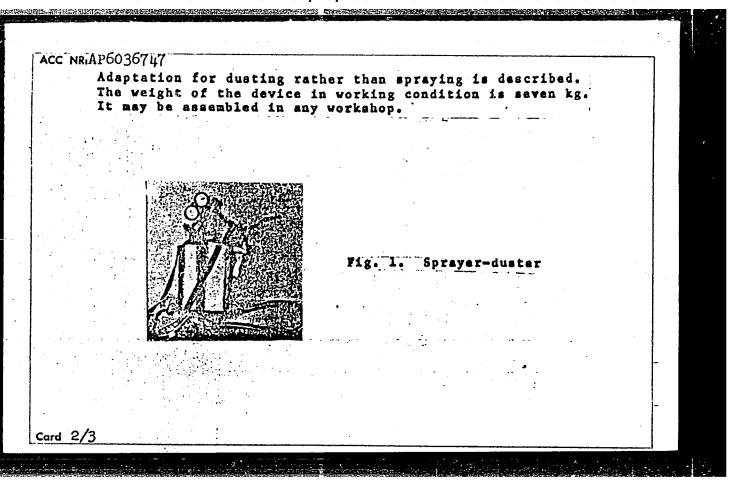
TOPIC TAGS: agriculture crop, agricultural machinery, because duster, plant disease control

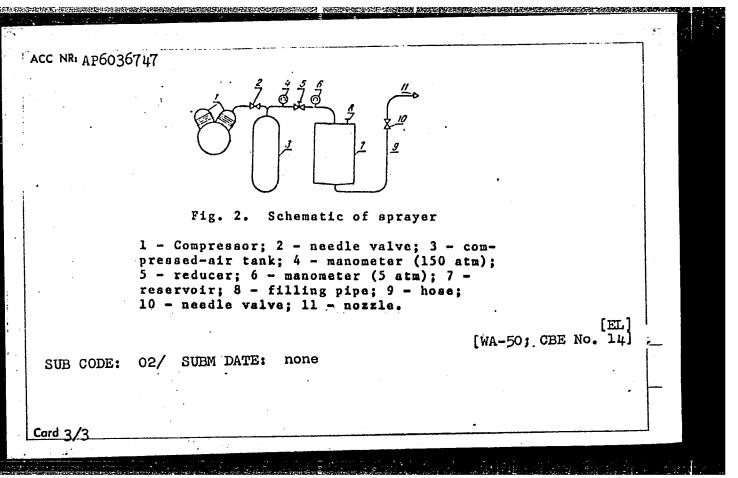
ABSTRACT: A knapsack sprayer-duster for use on small plots, in green-houses, and in laboratories is described. By using compressed air, it eliminates the necessity of periodic hand pumping and provides constant pressure. A three-liter compressed-air tank designed for 80 atm (gage) pressure and a reservoir of like volume for the spraying solution designed for 4 atm (gage) pressure are mounted on a simple metal frame (see Fig. 1). A schematic of the device is given in Fig. 2. A single filling of the air tank to 60 atm (gage) pressure is sufficient for spraying 40 l of liquid. Tables are given showing the relationship of spray parameters to operating pressure in the reservoir, and indices obtained during operation at 2 atm (gage) pressure.

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UDC:632.981.1/.2





SERDYUK, A.

Let us talk accounting and control. Obshchestv. pit. no. 5:30-31 My '61. (MIRA 14:5)

l. Glavnyy bukhgalter Upravleniya rabochego snabzheniya Sverdlovskogo sovnarkhoza.

(Sverdlovsk Province-Restaurants, lunchrooms, etc.-Accounting)

POLYAKOV, S.N., kand.tekhm.nauk; SERDYUK, A.G., inzh.

Character of the structural state of grain boundaries in carbon steel following slow cooling in a subcritical temperature range.

Trudy Inst.chern.met.AN URSR no.14:37-39 '61. (MIRA 14:10)

(Steel-Metallography)

SERDIUK, A.I., inzh.; KHODOS, G.I., inzh.

How labor productivity was increased in the "Novo-Druzheskaya" mine. Ugol' Ukr. 4 no.3:34-37 Mr '60. (MIRA 13:6) (Donets Basin--Coal mines and mining--Labor productivity)

Experiment in rearing silkworms. Biol.v shkole no.3:70
ky-Jo '59. (HTRA 12:9)

1. Direktor sredney shkoly No.3 g. Nal'chika Kabardino-Balkarskoy
ASSR. (Nal'chik--Sericulture-Study and teaching)

DOBRYANSKAYA, Ye.M., kard.tekhn.nauk; BIRENBERG, B.M., gornyy inzh.; SERDYUK, A.I., gornyy inzh.

Effect of individual factors on the labor productivity and coal production costs in coal mines; "collection of articles. Reviewed by E.M. Dobrianskaia, B.M. Birenberg, A.I. Serdiuk. Ugol 37 no.9:62-63 S '62. (MIRA 15:9)

(Coal mines and mining-Costs)
(Coal mines and mining-Labor productivity)

DOBRYANSKAYA, Ye.M., kand.tekhn.nauk; BIRENBERG, B.M.; SERDYUK, A.I.

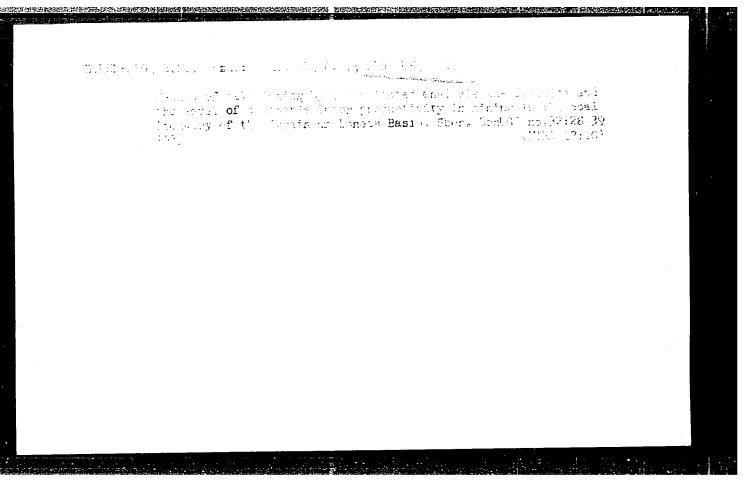
Causes of actual labor productivity being less than that predicted in mines of the Donetskugol' Combine. Sbor. DonUGI no.28:50-79 '62. (MIRA 16:8)

(Donets Basin--Coal mines and mining--Labor productivity)

SERDYUK, A.I.

Effect of the thickness of the seam and the length of the longwall on the specific volume of development mining, taking into account the geological conditions of working the seams. Sbor. DonUGI no.28:89-99 '62. (MIRA 16:8)

(Coal mines and mining)



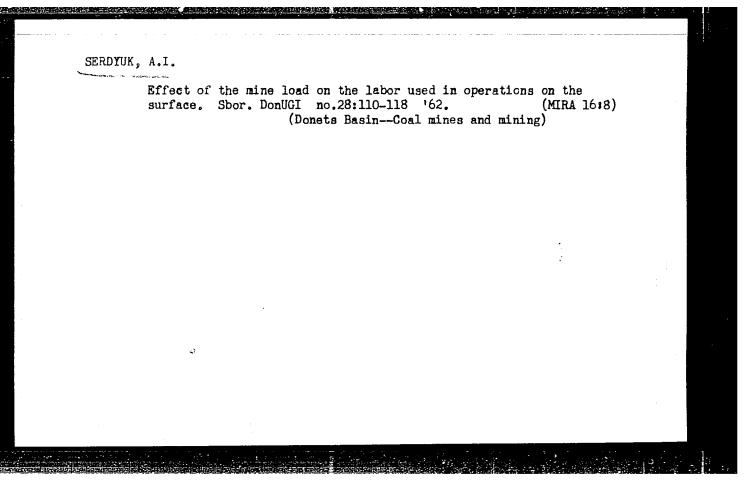
SERDYER, A.T., inch.

Analysis of the dynamics of later porductivity during 1959-1961
in scal mines under the Bornes Basin Council of Maulenal Pronomy.
Shor. PonMGf no.32:56-62 163.

SERDYUK, A.I.

Effect of the thickness of the seam, the length of the longwalls, and their loads on the specific length of the supporting workings, taking into account the effect of the geological conditions of the working of the seams. Sbor. DopUGI no.28:100-110 '62. (MIRA 16:8)

(Coal mines and mining)



ACCESSION NR: AT4019310

\$/0000/63/003/001/0161/0164

AUTHOR: Chistoserdov, V. G.; Shmeleva, N. A.; Serdyuk, A. M.

TIȚLE: A study of the crystallization products in the magnesium aluminosilicate system with additions of titanium dioxide

SOURCE: Simpozium po stekloobraznomu sostoyaniyu. Leningrad, 1962. Stekloobraznoye sostoyaniye, vy*p. 1: Katalizirovannaya kristallizatsiya stekia (Vitreous state, no. 1: Catalyzing crystallization of glass). Trudy* simpoziuma, v. 3, no. 1. Moscow, Izd-vo AN SSSR, 1963, 161-164

TOPIC TAGS: glass, glass crystallization, magnesium aluminosilicate, cordierite, geikielite, clinoenstatite, titanium dioxide, catalyzed crystallization

ABSTRACT: The crystallization products of glasses of the MgO-Al203-SiO2-TiO2 system and the effect of TiO2 addition were studied. The dynamics of the formation of crystalline phases were investigated by high-temperature x-ray analysis. The test sample was glass 59 with the composition 61.4% SiO2, 18.3% Al203, and 20.3% NaO plus 0.25% silica. Ionization curves were plotted for noncrystalline, crystalline, and quenched glasses at different temperatures. Both ionization curves and thermograms were also recorded for glass 59 containing 10% TiO2. It was found

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ACCESSION NR: AT4019310

that during the crystallization of titanium glasses, \propto -cordierite is formed through the μ -form (metastable, insufficiently identified compound with an average refractive index varying from 1.540 to 1.610). In glasses of microcrystalline structure containing 10-18% TiO₂, geikielite and sometimes clinoenstatite are formed together with \propto -cordierite. All glasses with 2-18% TiO₂ crystallized at 1100C showed \propto -cordierite as the principal phase, while glass with 10% or more TiO₂ showed geikielite (MgTiO₃). The phase composition and the microstructure of the resulting ceramics determine their physical-chemical properties; \propto -cordierite, with a low coefficient of expansion (about 10 x 10-7/degree), imparts high thermal stability, but the cellular-granular structure limits the possibility of high strength. Orig. art. has: 3 figures.

ASSOCIATION: none

SUBMITTED: 17May63

DATE ACQ: 21Nov63

ENCL: 00

SUB CODE: MT

NO REF SOV: 000

OTHER: 001

Card 2/2

OVCHINNIKOV, V. M., assistent; SERDYUK, A. S., starshiy inzhener

Study of the migration of silver on the surface of a radioceramic by means of marked atoms. Izv. LETI 59 no.46:346-347 '62. (MIRA 15:10)

(Dielectrics) (Electrodes)

S/081/62/000/021/032/069 B149/B101

AUTHORS:

Ovchinnikov, V. M., Serdyuk, A. S.

TITLE:

Use of labelled atoms to investigate the migration of silver

on radioceramic surfaces

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 21, 1962, 330, abstract

21K200 (Izv. Leningr. elektrotekhn. in-ta, no. 46, 1961,

346 - 347

TEXT: Silver is spread from electrodes onto a ceramic surface by sublimating it and subsequent chemisorption on that surface. The rate of silver accumulation on a ceramic surface at 350°C and at a field intensity of 1.5 kv/cm is 10-11 g/sec, which corresponds to the rate of silver sublimation over the whole anode surface. In vacuo no migration of silver over a ceramic surface is observed. [Abstracter's note: Complete translation.]

Card 1/1